

Docket No. AUS920040065US1

ABSTRACT OF THE DISCLOSURE

**METHOD AND APPARATUS FOR PREFETCHING DATA FROM A DATA
STRUCTURE**

A method, apparatus, and computer instructions for providing hardware assistance to prefetch data during execution of code by a process or in the data processing system. In response to loading of an instruction in the code into a cache, a determination is made, by the processor unit, as to whether metadata for a prefetch is present for the instruction. In response to metadata being present for the instruction, selectively prefetching data, from within a data structure using the metadata, into the cache in a processor.